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520.39632X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: S. FURUYA, et al

Serial No.: 09/784,254

Filed: February 16, 2001

U.S. Patent No. 7,110,545 B2

For: METHOD AND APPARATUS FOR SYMMETRIC-KEY
ENCRYPTION

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OFFICE OF PETITIONS

**PETITION REQUESTING CERTIFICATE OF CORRECTION
UNDER 37 CFR §3.81(b)**

MS Petitions

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Sir:

October 4, 2006

Pursuant to 37 CFR §3.81(b), Applicants respectfully request that the attached Petition be granted and that a Certificate of Correction be issued in connection with the above-referenced application to correct the error noted on the attached Form PTO-1050.

After review of the above-referenced patent, it was discovered that Applicants through inadvertence did not list the Assignee to which the above-referenced application is assigned on the Issue Fee Transmittal submitted with payment of the Issue Fee submitted on June 27, 2006.

Specifically, the June 27, 2006 Issue Fee Transmittal inadvertently identified Tokyo, Japan as the Assignee at item "(A) Name of Assignee)" on the Issue Fee Transmittal. The correct Assignee to which the above-referenced patent is assigned

is Hitachi, Ltd., of Tokyo, Japan as per the Assignment recorded on February 16, 2001 at Reel 011557 and Frame 0967. A copy of the Notice of Recordation dated May 11, 2001 and the Assignment evidencing such is attached.

Accordingly, it is respectfully requested in accordance with 37 CFR §3.81(b), that the present Petition be granted and that a Certificate of Correction be issued identifying the correct Assignee of the above-referenced patent as Hitachi Ltd., Tokyo, JAPAN consistent with the Assignment of the application as noted above.

Upon granting of this Petition, Applicants respectfully request that the file be forwarded to the Certificates of Correction Branch for issuance of a Certificate of Correction.

Applicants submit that the fees in connection with the present Petition and Certification of Correction in the amount of \$230.00 is attached in the form of a Credit Card Payment Form. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (520.39632X00).

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.



Carl I. Brundidge
Registration No. 29,621

CIB/jdc
(703) 684-1120

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 7,110,545

DATED: September 19, 2006

INVENTOR(s): S. FURUYA, et al

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

-- (73) Assignee: Hitachi, Ltd., Tokyo (JP) --.

MAILING ADDRESS OF SENDER

PATENT NO: 7,110,545

Carl I. Brundidge, Esquire
MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.
1800 Diagonal Road -- Suite 370
Alexandria, VA 22314

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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DATED: September 19, 2006

INVENTOR(s): S. FURUYA, et al

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

-- (73) Assignee: Hitachi, Ltd., Tokyo (JP) --.

MAILING ADDRESS OF SENDER

PATENT NO: 7,110,545

Carl I. Brundidge, Esquire
MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.
1800 Diagonal Road - Suite 370
Alexandria, VA 22314

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PART B - FEE(S) TRANSMITTAL 5

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Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

24956

7590

03/27/2006

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.
1800 DIAGONAL ROAD
SUITE 370
ALEXANDRIA, VA 22314

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

| |
|--------------------|
| (Depositor's name) |
| (Signature) |
| (Date) |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/784,254 | 02/16/2001 | Soichi Furuya | 520.39632X00 | 6139 |

TITLE OF INVENTION: METHOD AND APPARATUS FOR SYMMETRIC-KEY ENCRYPTION

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1400 | \$300 | \$1700 | 06/27/2006 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|---------------|----------|----------------|
| TRAN, ELLEN C | 2134 | 380-259000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Mattingly, Stanger,
Malur & Brundidge, P.C.

2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Tokyo, Japan

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Tokyo, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed:
- ☒ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-1417 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date

June 27, 2006

Typed or printed name

Carl I. Brundidge

Registration No.

29,621

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCT 11, 2001

PTAS

ANTONELLI, TERRY, STOUT & KRAUS, LLP
CARL I. BRUNDIDGE
1300 NORTH SEVENTEENTH STREET
SUITE 1800
ARLINGTON, VA 22209



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/16/2001

REEL/FRAME: 011557/0967

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FURUYA, SOICHI

DOC DATE: 11/22/2000

ASSIGNOR:

TAKARAGI, KAZUO

DOC DATE: 11/22/2000

ASSIGNOR:

KURUMATANI, HIROYUKI

DOC DATE: 11/22/2000

ASSIGNOR:

TAKAHASHI, MASASHI

DOC DATE: 11/22/2000

ASSIGNOR:

MIYAZAKI, KUNIIHIKO

DOC DATE: 11/22/2000

ASSIGNOR:

SATO, HISAYOSHI

DOC DATE: 11/22/2000

ASSIGNOR:

WATANABE, DAI

DOC DATE: 11/22/2000

ASSIGNEE:

HITACHI, LTD.
6, KANDA SURUGADAI 4-CHOME
CHIYODA-KU
TOKYO, JAPAN

SERIAL NUMBER: 09784254
PATENT NUMBER:

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FILING DATE: **OFFICE OF PETITIONS**
ISSUE DATE:

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



101633961

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Soichi FURUYA, Kazuo TAKARAGI, Hiroyuki
KURUMATANI, Masashi TAKAHASHI, Kunihiro
MIYAZAKI, Hisayoshi SATO Dai WATANABE

2. Name and address of receiving party(ies):

Name: Hitachi, Ltd.

Street Address: 6, Kanda Surugadai 4-chome

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: November 22, 2000

City: Tokyo:

Country: Japan

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: November 22, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address:

Street Address: 1300 North Seventeenth Street
Suite 1800

City: Arlington State: VA Zip: 22209

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)\$40.00

☒ Enclosed☒ Any deficiencies may be charged to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number: 01-2135

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Carl I. Brundidge

Name of Person Signing

Attorney Registration No. 29,621

Signature

February 16, 2001

Date

Total number of pages including cover sheet, attachments, and document: 2

OMB No. 0651-0011 (exp. 4/94)

OCT 24 2006

OFFICE OF PETITIONS

METHOD AND APPARATUS FOR SYMMETRIC-KEY ENCRYPTION

| | (発明者)フルネー ムライオン) | (署名日) |
|----|----------------------|------------|
| 1) | Soichi Furuya | 22/11/2000 |
| 2) | Kazuo Takaragi | 22/11/2000 |
| 3) | Hiroyuki Kurumatsuri | 22/11/2000 |
| 4) | Masashi Takahashi | 22/11/2000 |
| 5) | Kunihiko Miyazaki | 22/11/2000 |
| 6) | Hisayoshi Sato | 22/11/2000 |
| 7) | Dai Watanabe | 22/11/2000 |
| 8) | | |
| 9) | | |
| 0) | | |